ROUTE NO.	SECTION		COUNTY		TOTAL SHEETS	SHEET NO.
<b>F. R. L.</b> 5154	04-00343-0	0-BR	N	/:NNEBAGO	92	30
FED. RD	AD DIST. ND. 7	ILLINOI	ıs	FED. ALD PROJECT-BRM~5099(75)		

Structural Sheet 6A of 22A

NOTES:

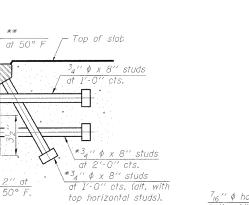
The strip seal shall be made continuous and shall have a minimum thickness of  ${}^l_4$ ". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the County.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.



Locking edge rail typ ty

after forms are removed, typ.

Strip seal-

#### <u>SECTION THRU</u> <u>ROLLED RAIL JOINT</u>

\*Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std.

\*\*When joint is fixed, dimension is set at  $1^l_2{^\prime}{^\prime}$ .

Locking edge rail—√

Strip seal -

Specs., automatically end welded.

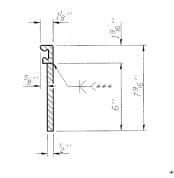
 $\frac{7_{16}}{''}$   $\phi$  holes at 4'-0" cts. for  $\frac{3}{8}$ "  $\phi$  bolts. All bolts shall be burned, sawed,

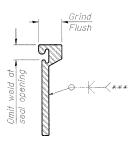
or chipped off flush with the plates

after forms are removed, typ.

**ROLLED** 

(EXTRUDED) RAIL





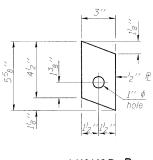
\*\*\*Back gouge not required if complete joint penetration is verified by mock-up.

LOCKING EDGE

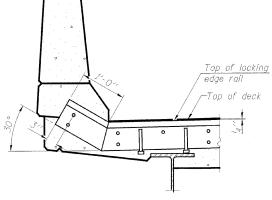
RAIL SPLICE

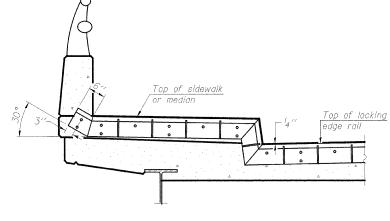
The inside of the locking edge rail groove shall be free of weld

#### <u>SECTION THRU</u> <u>WELDED RAIL JOINT</u>









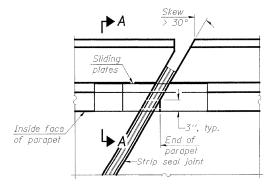
# <u>AT PARAPET</u>

### AT SIDEWALK OR MEDIAN

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

# LOCKING EDGE RAILS

WELDED RAIL



PLAN

# Sliding plates Inside Face of Parapet

SECTION A-A

# N/ Λ = Λ

Plate  $\frac{6'' \text{ min}}{\text{lap}}$   $\frac{3'' \text{ } 6'' \text{ } 3''}{\text{bolts at } \pm 12" \text{ } cts.}$ 

TYPICAL END TREATMENTS

<sup>±3</sup>₄′′ ∮ x 6′′ Studs

SECTION B-B

### BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	85,5

POINT BLOCK DETAILS

(for skews > 30°)

PREFORMED JOINT STRIP SEAL
BELTLINE ROAD OVER ILLINOIS RAILNET
FAU ROUTE 5154 SECTION 04-00343-00-BR
WINNEBAGO COUNTY
STA. 148+18.00 (S.N. 101-0172)

S.STRUCT.1124D04.BNSFRAIL.BRIDGE DRAWINGS.STRIPSEAL.DGN

WHA # 1124D04